# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	) Patent Application
TIMOTHY W. WOMER et al.	)
	) ENHANCED THERMAL CONDUCTION
	) FOR PLASTICATING RESINOUS
Attorney Docket No.: 3522.26	) MATERIAL
•	)

## INFORMATION DISCLOSURE STATEMENT

McLaughlin & McNally 500 City Centre One P.O. Box 507 Youngstown, Ohio 44501-0507

February **20**, 2004

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with the Applicants' duty of good faith and candor toward the Patent Office, the following material is brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. These references were brought to the attention of Applicants and are being submitted herewith to comply with the Duty of Disclosure. Consideration of the listed documents by Examiner is respectfully requested pursuant to the provisions of MPEP 609. Applicants respectfully requests that a copy of PTO/SB/8A, as considered and initialed by the Examiner, be returned to the undersigned with the next official communication.

Attorney Docket No. 3522.26

Applicants, by submitting the listed documents, do not represent the documents to be prior art to this application, and reserves the right, pursuant to 37 C.F.R. Section 1.131 or otherwise, to establish otherwise. Applicants do not represent that all of the listed documents are material to the examination of this application, but have cited same to make it clear beyond all doubt that the Duty of Disclosure has been complied with. Moreover, Applicants do not represent that they have reviewed in detail the enclosed documents. There may be details disclosed in these documents of which Applicants are not aware.

#### **UNITED STATES PATENTS**

PATENT NO.	<u>PATENTEE</u>	ISSUE DATE
6,486,432	Colby, et al.	11/26/02
5,565,277	Cox, et al.	10/15/96
5,363,900	Betz	11/15/94
5,246,056	Lomax, et al.	09/21/93
5,221,821	Burns, et al.	06/22/93
5,023,145	Lomax, et al.	06/11/91
4,966,544	Mitake	10/30/90
4,399,198	Lomax, et al.	08/16/83
4,103,800	Lomax, et al.	08/01/78
3,913,660	Dietz	Diez

## OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

PAYTON R. LEWIS, "New Tooling Takes a Beating, Transfer Heating," *Injection Molding*, May 2002, 51-52, United States

PAYTON R. LEWIS, "Composite Metal Technology," Technical Paper, presented in Chicago, Illinois, at Regional Technical of the Society of Plastic Engineers, March 20, 2002

### **CONCLUSION**

The Examiner is respectfully requested to consider each of the above-discussed references during prosecution of the above-discussed application for patent.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Sheet	1	of	2	Attorney Docket Number	3522.26	

	U.S. PATENT DOCUMENTS							
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant			
Initials*	No.1	Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear			
		US-6,486,432	11/26/02	Colby, et al.				
		US-5,565,277	10/15/96	Cox, et al.				
		US-5,363,900	11/15/94	Betz				
		US-5,246,056	9/21/93	Lomax, et al.				
		US-5,221,821	6/22/93	Burns, et al.				
		US-5,023,145	6/11/91	Lomax, et al.				
		US-4,966,544	10/30/90	Mitake				
		US-4,399,198	8/16/83	Lomax, et al.				
		US-4,103,800	8/1/78	Lomax, et al.				
		US-3,913,660	10/21/75	Diez				
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	FOREIGN PATENT DOCUMENTS									
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.upsto.gov">www.upsto.gov</a> or MPEP 901.04.

Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE				Application Number		
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Sheet	2	of	2	Attorney Docket Number	3522.26	

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>		
		PAYTON R. LEWIS, "New Tooling Takes a Beating, Transfer Heating", <i>Injection Molding</i> , May 2002, 51-52, United States			
		PAYTON R. LEWIS, "Composite Metal Technology" Technical Paper, presented in Chicago, Illinois, at Regional Technical Conference of the Society of Plastic Engineers, March 20, 2002			

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Signature	Considered	

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